

日期: 2012/09/14

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柏友照明科技股份有限公司 新北市林口區文化二路二段369號3樓

以下測試報告/資訊係由客户提供,且由客户聲稱並經客户確認如下:

樣品名稱	:	白光發光二極體照明光源			
測試期間	:	2011/06/27 TO 2012/04/20			

測試結果

: 請見下一頁.

* 此份為合併申請廠商所提供的 7 份檢驗報告 *



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SGS Taiwan Ltd.	33, Wu Chuan Rd., New T	aipei Industrial Park, New Taipei City, Taiwan	/新北市新北產業園區五權路33號	
台灣檢驗科技股份有限公司_	t (886-2) 2299-3939	f (886-2) 2299-3237	www.sgs.tw	

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柏友照明科技股份有限公司 新北市林口區文化二路二段369號3樓

測試結果

測試部位 No.1	:	銅/銀色基板(CE/2012/30730A)
測試部位 No.2	:	銀色/灰色 LED CHIP (KA/2012/10166)
測試部位 No.3	:	金色金屬線 (CE/2011/C3017)
測試部位 No.4	:	黄色 (KA/2011/81108)
測試部位 No.5	:	黑色液體(CE/2011/91823)
測試部位 No.6	:	黑色液體(CE/2011/91824)
測試部位 No.7	:	KER-3000-M2 (F690501/LF-CTSAYAA11-20984)

測試項目	單位	測試方法	方法偵測	方法偵測 結果					
	+12	机武力法	極限值	No.1	No.2	No.3	No.4	No.5	
绮	mg/kg	参考IEC 62321: 2008方法,以 感應耦合電漿原子發射光譜儀 (ICP-AES)檢測.	2	n.d.	n.d.	n.d.	n.d.	n.d.	
鉛	mg/kg	參考IEC 62321: 2008方法,以 感應耦合電漿原子發射光譜儀 (ICP-AES)檢測.	2	n.d.	n.d.	n.d.	n.d.'	n.d.	
汞	mg/kg	參考IEC 62321: 2008方法,以 感應耦合電漿原子發射光譜儀 (ICP-AES)檢測.	2	n.d.	n.d.	n.d.	n.d.	n.d.	
六價鉻	mg/kg	參考IEC 62321: 2008方法,以 UV-VIS檢測.	2	n.d.	n.d.		n.d.	n.d.	
	**	參考IEC 62321: 2008方法,以 沸水萃取法檢測.#	#	Negative		Negative			
多溴聯苯總和			-	n.d.	n.d.	n.d.	n.d.	n.d.	
一溴聯苯			5	n.d.	n.d.	n.d.	n.d.	n.d.	
二溴聯苯			5	n.d.	n.d.	n.d.	n.d.	n.d.	
三溴聯苯			5	n.d.	n.d.	n.d.	n.d.	n.d.	
四溴聯苯		參考IEC 62321: 2008方法,以	5	n.d.	n.d.	n.d.	n.d.	n.d.	
五溴聯苯	mg/kg		5	n.d.	n.d.	n.d.	n.d.	n.d.	
六溴聯苯		朱山伯/音布//頁音版(GC/MS/被/则).	5	n.d.	n.d.	n.d.	n.d.	n.d.	
七溴聯苯			5	n.d.	n.d.	n.d.	n.d.	n.d.	
八溴聯苯			5	n.d.	n.d.	n.d.	n.d.	n.d.	
九溴聯苯			5	n.d.	n.d.	n.d.	n.d.	n.d.	
十溴聯苯			5	n.d.	n.d.	n.d.	n.d.	n.d.	

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柏友照明科技股份有限公司

新北市林口區文化二路二段369號3樓

測試項目	單位	測試方法	方法偵测	偵測 結果				
「「「「「」」では「」			極限值	No.1	No.2	No.3	No.4	No.5
多溴聯苯醚總和			-	n.d.	n.d.	n.d.	n.d.	n.d.
一溴聯苯醚			5	n.d.	n.d.	n.d.	n.d.	n.d.
二溴聯苯醚			5	n.d.	n.d.	n.d.	n.d.	n.d.
三溴聯苯醚			5	n.d.	n.d.	n.d.	n.d.	n.d.
四溴聯苯醚		A + + + FO CO201 0000	5	n.d.	n.d.	n.d.	n.d.	n.d.
五溴聯苯醚	mg/kg	參考IEC 62321: 2008方法, 以 氣相層析/質譜儀(GC/MS)檢測.	5	n.d.	n.d.	n.d.	n.d.	n.d.
六溴聯苯醚]	彩相增析/頁譜俄(GC/MS)檢測.	5	n.d.	n.d.	n.d.	n.d.	n.d.
七溴聯苯醚]		5	n.d.	n.d.	n.d.	n.d.	n.d.
八溴聯苯醚]		5	n.d.	n.d.	n.d.	n.d.	n.d.
九溴聯苯醚]		5	n.d.	n.d.	n.d.	n.d.	n.d.
十溴聯苯醚			5	n.d.	n.d.	n.d.	n.d.	n.d.
鹵素								
鹵素 (氟)			50	n.d.			n.d.	
(CAS No.: 14762-94-8)								
鹵素 (氣)	1		50	n.d.	n.d.	n.d.	n.d.	
(CAS No.: 22537-15-1)		参考BS EN 14582:2007, 以離					4.000012.00000000	
鹵素 (溴)	mg/kg	子層析儀分析.	50	n.d.	n.d.	n.d.	n.d.	
(CAS No.: 10097-32-2)								
鹵素(碘)]	F	50	n.d.			n.d.	
(CAS No.: 14362-44-8)			3.1.5.4778746					

測試項目	單位	测試方法	方法偵測	結果	
	- FIZ	例武力法	極限值	No.6	No.7
鎬	mg/kg	參考IEC 62321: 2008方法,以 ICP檢測.	0.5		n.d.
鉛	mg/kg	參考IEC 62321: 2008方法, 以 ICP檢測.	5		n.d.
汞	mg/kg	參考IEC 62321: 2008方法, 以 ICP檢測.	2		n.d.
六價鉻	mg/kg	參考IEC 62321: 2008方法,以 UV-VIS檢測。	1		n.d.

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柏友照明科技股份有限公司

新北市林口區文化二路二段369號3樓

測試項目	單位	测試方法	方法偵測	結果	
	+ 12	ЛЩЛА	極限值	No.6	No.7
多溴聯苯總和			-		n.d.
一溴聯苯	_		5		n.d.
二溴聯苯		1	5		n.d.
三溴聯苯			5		n.d.
四溴聯苯			5		n.d.
五溴聯苯			5		n.d.
六溴聯苯			5		n.d.
七溴聯苯			5		n.d.
八溴聯苯			5		n.d.
九溴聯苯			5		n.d.
十溴聯苯	mg/kg	參考IEC 62321: 2008方法,以	5		n.d.
多溴聯苯醚總和	mg/kg	GC-MS檢測.	-		n.d.
一溴聯苯醚			5		n.d.
二溴聯苯醚			5		n.d.
三溴聯苯醚			5		n.d.
四溴聯苯醚	1		5		n.d.
五溴聯苯醚			5		n.d.
六溴聯苯醚			5		n.d.
七溴聯苯醚			5		n.d.
八溴聯苯醚			5		n.d.
九溴聯苯醚			5		n.d.
十溴聯苯醚			5		n.d.
鹵素					
鹵素(氟)	mg/kg	参考BS EN 14582:2007, 以離	50	n.d.	
(CAS No.: 14762-94-8)		子層析儀分析.			
鹵素 (氟)	mg/kg	參考BS EN 14582:2007, 以離	30		n.d.
		子層析儀分析.			
鹵素 (氣)	mg/kg	參考BS EN 14582:2007, 以離	50	n.d.	
(CAS No.: 22537-15-1)		子層析儀分析.			
鹵素 (氯)	mg/kg	参考BS EN 14582:2007, 以離	30		n.d.
an tanya ang tang tang tang tang tang tang tang	00	子層析儀分析.			n.u.

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新北市林口區文化二路二段369號3樓

測試項目	單位	測試方法	方法偵測	結果	
~~~~~		<b>州武力法</b>	極限值	No.6	No.7
鹵素(溴) (CAS No.: 10097-32-2)	mg/kg	参考BS EN 14582:2007, 以離 子層析儀分析.	50	n.d.	
鹵素(溴)	mg/kg	參考BS EN 14582:2007, 以離 子層析儀分析.	30		n.d.
鹵素(碘) (CAS No.: 14362-44-8)	mg/kg	參考BS EN 14582:2007, 以離 子層析儀分析.	50	n.d.	
鹵素(碘)	mg/kg	參考BS EN 14582:2007, 以離 子層析儀分析.	30		n.d.

備註:1. mg/kg = ppm, 0.1% = 1000 ppm(mg/kg), 0.0005% = 5 ppm(mg/kg)

- 2. n.d. = N.D. = ND = Not Detected / 未檢出(低於方法偵測極限值)
- 3. MDL = Method Detection Limit / 方法偵測極限值
- 4. "-" = Not Regulated / 無規格值
- 5. "---" = Not Conducted / 未測項目
- 6. **定性分析(無單位)
- 7. # = a. Positive表示測試區域偵測到六價鉻

b. Negative表示測試區域未偵測到六價鉻

該溶液濃度≧0.02 mg/kg with 50 cm² (tested areas)

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